Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	20242	(@ad<"19991118") and ((wir$3 or bond or ball$1 or bump$1) with pad) and (chip or die or wafer)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/03 16:05
L2	2557	L1 and ((insulation or insulating or dielectric) with pad)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/03 11:51
L3	1475	L2 and "257"/$.ccls.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/03 11:51
L4	798	L2 and (barrier or "ti" or "ta" or "tin" or "tan" or ((tantulum or titanium) adj nitride))	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/03 11:52
L5	2	("6809421").URPN.	USPAT	OR	OFF	2005/11/03 11:55
L6	11	("4499655" | "4774632" | "4807021" | "5229647" | "5270261" | "5399898" | "5408123" | "5618752" | "5793105" | "5846879" | "5973396").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 11:55
L7	31	("4499655").URPN.	USPAT	OR	OFF	2005/11/03 11:59
L8	22	("3918148" | "4357203" | "4882454" | "4963697" | "5061567" | "5093153" | "5154957" | "5274912" | "5278077" | "5424581" | "5643433" | "5677230" | "5700735" | "5703408" | "5718039" | "5757072" | "5777379" | "5792538" | "5812316" | "5844523" | "5854142" | "5974025").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 12:04
L9	4	("4600658" | "4800177" | "5057447" | "5309025").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 12:08
L10	4	("4600658" | "4800177" | "5057447" | "5309025").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 12:09
L11	3	("4705606" | "4984061" | "5189506").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 12:09
L12	7	("4525383" | "4543592" | "4582563" | "4617193" | "4636832" | "4656496" | "4795722").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 12:09

L13	46	("4984061").URPN.	USPAT	OR	OFF	2005/11/03 12:09
L14	46	("4984061").URPN.	USPAT	OR	OFF	2005/11/03 12:16
L15	4	("4600658" | "4800177" | "5057447" | "5309025").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 12:19
L16	11	("5703408").URPN.	USPAT	OR	OFF	2005/11/03 12:19
L17	3	("5149674" | "5266522" | "5403777").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 12:23
L18	28	("5700735").URPN.	USPAT	OR	OFF	2005/11/03 12:24
L19	3	("5149674" | "5266522" | "5403777").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 12:26
L20	3	("5149674" | "5266522" | "5403777").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 12:28
L21	28	("5700735").URPN.	USPAT	OR	OFF	2005/11/03 12:39
L22	4	("4392150" | "4604641" | "4975756" | "5121186").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 13:26
L23	5	("5357136").URPN.	USPAT	OR	OFF	2005/11/03 13:44
L24	938	L2 not L4	USPAT	OR	OFF	2005/11/03 13:44
L25	3	("5059756" | "5360941" | "5365409").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 14:27
L26	3	("5059756" | "5360941" | "5365409").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 14:41
L27	3	("6255586").URPN.	USPAT	OR	OFF	2005/11/03 14:41
L28	3	("5059756" | "5360941" | "5365409").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 14:49
L29	2	("4636832" | "5248903").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 15:20
L30	42	("5502337").URPN.	USPAT	OR	OFF	2005/11/03 15:20
L31	0	("6921714").URPN.	USPAT	OR	OFF	2005/11/03 15:21
L32	17	("5149674" | "5248903" | "5291062" | "5345108" | "5475236" | "5502337" | "5525546" | "5736791" | "5739587" | "5838023" | "5847466" | "5923088" | "5939789" | "6031293" | "6037668" | "6133625" | "6265313").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 15:21
L33	29	("5923088").URPN.	USPAT	OR	OFF	2005/11/03 15:22

L34	13	("4723197" | "5149674" | "5284797" | "5719448" | "5736791" | "5804883" | "5912510" | "5923088" | "5942448" | "5989991" | "6187680" | "6191023" | "6197613").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 15:23
L35	11	("5309025" | "5547901" | "5631498" | "5668411" | "5700735" | "5707894" | "5785236" | "5795796" | "5807787" | "5834365" | "5904565").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 15:24
L36	9	("5202579" | "5287002" | "5403777" | "5502337" | "5739587" | "5923088" | "5942800" | "6191023" | "6207547").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 15:31
L37	5	("5289036" | "5308795" | "5404047" | "5412250" | "5502337").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 15:38
L38	3	("6577017").URPN.	USPAT	OR	OFF	2005/11/03 15:39
L39	7	("4349609" | "4451326" | "4523372" | "4601939" | "4613888" | "4646126" | "4821092").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 16:00
L40	6	("5124781").URPN.	USPAT	OR	OFF	2005/11/03 16:00
L41	9	(@ad<"19991118") and 257/459, 779.ccls. and ((tantalum adj nitride) or "tan")	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/03 16:23
L42	333	(@ad<"19991118") and 257/459, 779.ccls. and ((titanium adj nitride) or "tin" or barrier)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/03 16:08
L43	318	L42 not L4	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/03 16:08
L44	318	L42 not L3	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/03 16:08
L45	1	("5936283").URPN.	USPAT	OR	OFF	2005/11/03 16:16
L46	4	("5264729" | "5338975" | "5631495" | "5689133").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 16:16

L47	17	(@ad<"19991118") and 438/612. ccls. and ((tantalum adj nitride) or "tan")	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/03 16:26
L48	1	("6313024").PN.	USPAT; USOCR	OR	OFF	2005/11/03 16:26